

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement (IDS) filed on 3/7/2006 has been considered.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 11-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Rahman et al. (US Patent Application No 2002/0160748 A1).

Regarding claim 11 and 17 , “A method for billing a service in packet data network, comprising at least two billing types to the service” Rahman discloses (§ 34, capabilities for each type of service to be created and/or negotiated, and billing the user for each service on a per user basis or per call basis);

“Utilizing the service and a billing type selected by the user are stored” (§ 35, the network service provider needs to coordinate and access these different portions of the network each time a user creates or negotiates a service in order to obtain and compare user and service) and (§ 43, network and service information are stored in the SCE 62,

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while user and service information is stored in the SDB 64. information with network information) , wherein service and type of billing information are stored in the SCE and selected by user.

Regarding claims 12 and 18, “during the registration of the user, the services usable are transmitted by a service selection portal, linked in the billing and generating and transmitted to user terminal” Rahman discloses (§10, when a subscriber roams to a different MSC 40 and registers for service, the serving MSC must build a visitor location register (VLR) for the subscriber if one does not already exist), and (§15, Service information generally refers to information for providing services and specific information about the services, including information for billing the user, based on the capabilities (such as bandwidth) required by each service to function properly), and (§86, A user may also be billed whenever he changes his subscriber profile. As a user changes his profile information, it will trigger an event in the billing center 100 that can be used as a billing event), wherein user is informed by user profile which stores the preference of service and type of billing for the service as user change his profile.

Regarding claim 13, “wherein the service selection portal receives the billing information on which service has been selected and provides connection for the service” Rahman discloses (§46, network and service information are stored in the SCE 62, while user and service information is stored in the SDB 64. The SCE 62 is connected with the Web server; Network information is stored into the SCE 62 by the service provider via network elements, such as, the ATM network 20, the DA/IWF module 25, the Web server 66, etc. The SDB 64, connected with the BSC 10 and the

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HLR 70, stores user information, such as, information regarding the wireless network cell location in which the user presently resides in service information from the BSC 10 is stored in the SDB 64 as well) and (¶ 48, the dynamic storing of network information coordinated through the SDN 60 by a service provider prior to and during service creation and negotiation include the following operations), wherein Web server (Portal and Server) provide necessary connection to perform the selected service and network information.

Regarding claims 14 and 19, “, wherein the information on a billing type allocated to the service or selected by the user is stored in the service selection portal” Rahman discloses (¶73, The other type of billing information can be referred to as "dynamic billing information," which pertains to the actual use of those services selected by the user on a call-by-call basis or a session-by-session basis. This dynamic information may also include service content information of some applications. For example, a user may use the services of a wireless application protocol (WAP) server or a wireless portal), wherein various billing type is stored in WAP or wireless portal.

Regarding claim 15, wherein the data relevant to the network access are registered by the access server and forwarded to the billing system” Rahman discloses (¶84, The consolidated billing system according to the present invention can also include transaction-based services like accessing location information or location based services. This sort of information is needed on a transaction basis, and thus the transaction billing information is triggered in the billing center 100 as soon as the transaction is complete so that the user can be billed for the transaction based service

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requested) and (¶ 88, According to the present invention, the user has the option of selecting his own services to customize his own subscriber profile via a service data node (SDN) 60. The process of allowing the user to create and/or negotiate services can be billed in a consolidated manner by a billing center 100 connected to a service data node (SDN) module 80 having the service data node (SDN) 60 therein, and to a customer information processor 90), wherein subscriber (user) profile store billing information in billing system.

Regarding claims 16 and 20 ,” wherein the user-specific data are read out of the access server by the billing system and transmitted to the user terminal” Rahman discloses (¶ 68, A billing processor 104 in the billing center 100 receives and processes the information from the billing mediator 102 and the billing order manager 106 in order to consolidate and determine the billing of services for the user) and (¶ 88, The present invention satisfies the need for a database in which the subscriber profile of each user will be created and controlled by each subscriber, so that the user can create and/or negotiate services as he wishes0 wherein subscriber (user) has full control of billing information available as he wish.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- US Patent No: 7,376,729 B2 to Tanaka et al discloses a similar invention as recite in claim 11

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- US Patent No: 6,373,933 B1 to Sarkki et al discloses a similar invention as recite in claim 11.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KUO WOO whose telephone number is (571)270-7266.

The examiner can normally be reached on Monday through Friday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/KUO WOO/
Examiner, Art Unit 2617

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